## APPLICATION FOR PERMIT

## TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office	AUG-0-8-1983 NEW PRIORITY DATE APR 29 1986
<u> </u>	SEP 1 1983
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••	<b>JUL</b> 5 1983 under 46951
Map filed	
The applicant Trans-Pacific Geothern	al, Inc.
1419 Broadway Street and No. or P.O. Box No.	of Oakland City or Town
	make application for permission to appropriate the public
waters of the State of Nevada, as hereinafter stated. (If	applicant is a corporation, give date and place of incorpora-
tion; if a copartnership or association, give names of me	mbers.) TGS Associates is a partnership
comprised of Trans-Pacific Geothermal SR Geothermal, Inc., incorporated in	, Inc., incorporated in Nevada 11/16/81 and Delaware 9/23/81.
	deep geothermal reservoir - 10,000 feet  Name of stream, lake, spring, underground or other source
2. The amount of water applied for is	five (5) second-feet One second-foot equals 448.83 gals. per min.
(a) If stored in reservoir give number of acre-feet	
3. The water to be used for industrial pur Irrigation, power, m	POSES  ining, manufacturing, domestic, or other use. Must limit to one use.
4. If use is for:	
(a) Irrigation, state number of acres to be irrigated	<u>:</u>
(b) Stockwater, state number and kinds of animal	s to be watered:
(c) Other use (describe fully under "No. 12. Rema	rks"industrial
(d) Power:	
(1) Horsepower developed no externa	l pumps will be used
(2) Point of return of water to stream reing	jection or surface disposal; will depend on quality.
5. The water is to be diverted from its source at the formation Sec 33, T25N, R37E, MDM, from whence survey, and by course and distance to a section corner. If on uncorner.	ollowing point: Located in the NE/4 of SW/4,  Describe as being within a 40-acre subdivision of public the SW corner of Sec 33 bears \$ 49017' 55"W, surveyed land, it should be so stated.
a distance of 3042.45 feet.	
6. Place of use NE/4 of SW/4, Sec 33, T251  Describe by legal subc	N, R37E, MDM livision. If on unsurveyed land, it should be so stated.
7. Use will begin about January 1 and Month and Day	l end about
8. Description of proposed works. (Under the provise	ions of NRS 535.010 you may be required to submit plans and
specifications of your diversion or storage works.) geothermal reservoir through the cas beneficial use which is well flow te	thermal well. Water would be diverted from the estate well-borned to be diverted to diversion structure, display and sting to evaluate the geothermal reservoir. The
wellbore will be cased to an estimat 9. Estimated cost of works. one.million.five	ed depth of 6300 feet. hundred thousand dollars (\$1,500,000)

o. Lau	mated time	required to o	onstruct works	<b>3</b>	60-90 If well com	days pleted, describe works.	
1. Esti	mated time	required to c	omplete the ap	plication of wat	er to beneficial	luse three years (3)	<u>-</u>
cons The th	su <b>mptive us</b> e indust e produc	e. rial use o tion of wa	of approprie	ated water, thermal eff	consequent luent from	and type of units to be served or annuate to this application, would wellhead, then through sural economic utilization of	d be <u>f</u> ace
ge	othermal	energy ma	ay be affec	ted subsequ	ent to or s	separate from electrical	
36 ompare	5 days p	er year. /bl	jm/br	Ву	s/WaT Wal 1419 Oak	er hr. per well, 24 hrs a deter Turnbull ter Turnbull, Secretary-Tre 9 Broadway land, CA 94612	•
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laced easona o predischar ischar eterm hat on urposa luids ermit tate, nalysa ubmit	to bene able dec vent any rge of tine the produrface to nly geot es and fare to does no Federal es of the togen annual	ficial use rease of factorial amount total amount total amount flumesh, color waive the and local esystem uther with report for a system to the system	the geother the geother the geother than and the injection of fluid fresh water added to the second agencies. Used for rethis well as the proof for this well.	Iso underst ure and hea rmal fluid. e amount of d consumed well is to zones. The be diverte ifers are nource via the A detaile turning the of Completi I must be f	ood that the t. The we Accurate fluid inject a benefit dand used ot to be done injection to be done permit he log on the used geothon.	t upon the amount actually his right must allow for a ll shall be equipped and mameasurements must be kept dected into the injection we ficial use. If the content is issued subject to the content beneficially for heating iverted. The used geotherm well. The issuance of the injection well and/or other mal to the source must be this permit describing the can be applied to beneficial use, are	of ll t ndit al his fro her e
			_			nd, but not to exceed 644	
	et per a					nd. Dut not to exceed 044	
						before January 13, 1986 February 13, 1986	
						January 13, 1991	
						February 13, 1991	
						February 13, 1991	
						, I PETER G. MORROS	
MILPICHO.						have hereunto set my hand and the seal	of
oof of h				+00	this 13th	day of JANUARY	
	nap filed			•		anday of	•
ultural n	_			•	84	day of	9
ultural n ertificate	_		ed	•	84 	State Engineer	

Cancellation sessinted 5-286

(PERMIT TERMS CONTINUED)

amount of geothermal fluid consumed to a beneficial use for the calendar year. This report must also detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 3222 acre-feet

The total withdrawal of the geothermal fluid shall be limited to 3222 acre-feet per year but the total consumptive use of the geothermal fluid is limited to 644 acrefeet per year.

The total consumptive use under this permit and Permit 46951 shall not exceed 644 acre-feet per annum.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal, and local agencies.

This permit is issued under the provisions of NRS 534.120(2) as a preferred use.